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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,326	06/23/2003	Kent Qing Pu	40154-6223	9047

7590 02/08/2005

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EXAMINER

NGUYEN, TAN QUANG

ART UNIT	PAPER NUMBER
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3661

DATE MAILED: 02/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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10/602,326

EXAMINER

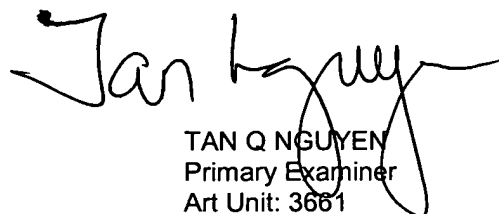
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Commissioner for Patents


TAN Q. NGUYEN
Primary Examiner
Art Unit: 3661

Office Action Summary

Application No.

10/602,326

Applicant(s)

PU ET AL.

Examiner

TAN Q NGUYEN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAIL ACTION

Notice to Applicant(s)

1. This application has been examined. Claims 1-38 are pending.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:
3. The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
4. As per claim 1 (as exemplary or claims 1 and 19), line 11, the phrase "the navigation module" has no antecedent basis. Appropriate correction/clarification is needed.
5. As per claim 2, line 1, the phrase "the navigation application" is also lack an antecedent basis.
6. The remaining claims, not specifically mentioned, are rejected for incorporating the defects from their respective parent claims by dependency.
7. The following rejections are based on the examiner's best interpretation of the claims in light of the 35 U.S.C. 112 errors noted above.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1, 4-10, 19, 22 and 23 are rejected under 35 U.S.C. 102(e) as being anticipated by Stuempfle et al. (6,505,100).

10. With respect to claims 1 and 19, Stuempfle et al. disclose a distributed vehicle information processing and vehicle control system which has a component-based construction composed of different object oriented components such as a user interface component (see figure 8a, item 39), a service manager component (see figure 2, item 5, column 6, lines 42 to column 7, line 2), a user positioning component (see figure 3, item 10, column 7, lines 3-15), and mapping component (see figure 9, lines 4-39).

11. With respect to claims 4 and 22, Stuempfle et al. also disclose a messaging component that provides internal communication between components (see at least figure 6).

12. With respect to claims 5 and 23, Stuempfle et al. also disclose a server component that (see at least figure 7).

13. With respect to claims 6 and 7, Stuempfle et al. further disclose a GPS component or a navigation component for providing GPS data or navigation data (see at least column 7, lines 3-15).

14. With respect to claim 8, Stuempfle et al. also disclose a map matching component that places the user position on a map (see at least figure 9).

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15. With respect to claims 9 and 10, Stuempfle et al. also disclose a map component, route component, and presentation manager component (see at least figure 9 and column 11, lines 30-38).

Claim Rejections - 35 USC § 103

16. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

17. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

18. Claims 2, 3, 11-18, 20 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stuempfle et al. (6,505,100) as applied to the claims above, and further in view of Ito et al. (5,944,768).

19. With respect to claims 2 and 20, Stuempfle et al. disclose the claimed invention as discussed above except that the system further includes a route processing

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component for providing a route from a given starting point to a destination point, and maneuvers for the route, and an address processing component for providing a list of destinations. However, Stuempfle et al. do disclose that depends on the requirements for the vehicle-related services, the system includes a specific based number of components in the vehicle (see column 11, lines 4-38), and more components can be integrated in the system without any problems (see figures 5, 6, 9, and column 12, lines 12-24). In the navigation art, such route processing and such list of destination are well known and as shown in at least figures 5, 24 and the related text of the Ito et al. reference. It would have been obvious to an ordinary skill in the art at the time the invention was made to modify the teaching of Stuempfle et al. by incorporating teaching of Ito et al. to includes a route processing component and address processing component for providing the route and a list of destinations for the navigation user.

20. With respect to claims 3 and 21, Stuempfle et al. do not disclose a traffic service component. However, Stuempfle et al. do mention that depends on the requirement for the vehicle related service, more object oriented components may be needed. Since the realtime traffic is needed for the navigation and it is well known at the time the invention was made (see at least column 15, lines 5-11), it would have been obvious to one ordinary skill in the art at the time the invention was made to incorporate such traffic service component into the Stuempfle et al., in order to allow the system to obtain the real time traffic signal.

21. With respect to claims 11-14, Stuempfle et al. do not disclose the route maneuver component, route maneuver expansion, and route guidance component. However, such functions for providing guidance for the vehicle from the starting point to the destination point with detail, sound are well known in the navigation art and shown in at least figures 4A, 4B, 5, 22, column 9, line 57 to column 10, line of the Ito

reference. Similar to the above, it would have been obvious to one ordinary skill in the art to modify the software by including the object oriented component such as route maneuver component, route maneuver expansion, and route guidance component for the navigation system to provide the detail instructions to the user from the starting point to the destination point.

22. With respect to claims 15-18, Stuemgflé et al. do not disclose a custom destination component, name lookup component, and name lookup data access component. However, Ito suggest the navigation has the functions of store a list of destination data on a server (see column 12, column 1-7), allow user to perform name entries, searches and provides data (see at least figures 2A-E, 24, 27, 29, 33, and column 14, lines 45-53. It would have been obvious to an ordinary skill in the art at the time the invention was made to includes such custom destination component, name lookup component and name lookup data access component in the Stuemgflé et al. system for performing such destination entry, search, save by the user.

23. Claims 24-38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

24. All claims are rejected.

25. The following references are cited as being of general interest: Ceylan et al. (6,259,987), Ashby et al. (6,370,539), Urban et al. (6,424,908), Uekawa et al. (6,487,493), Bechtolsheim et al. (2001/0025222), and Duckeck (2004/0010365).

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26. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Tan Nguyen, whose telephone number is (703) 305-9755. The examiner can normally be reached on Monday-Thursday from 5:30 AM-4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black, can be reached on (703) 305-8233.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to the Official Fax Center:


(703) 872-9306, (for informal or draft communications, please label
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park V, 2451
Crystal Drive, Arlington, VA., Seventh Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1113.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/tqn
February 4, 2005


TAN Q. NGUYEN
Primary Examiner
Art Unit 3661